

## Commercial Harbor Craft Proposed Regulation Workshop

Sacramento June 28, 2006



**California Environmental Protection Agency** 

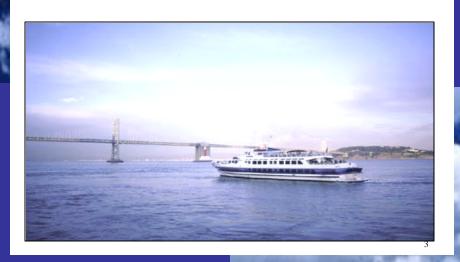
Air Resources Board

#### **Overview**

- Background
- Proposed Regulatory Concepts
- Next Steps



#### **Background**



#### Goals

- Develop a statewide control measure to address emissions from commercial harbor craft
- Diesel Risk Reduction Plan
- Meet goals of the Goods Movement Plan

## **Emission Reduction Plan for Ports and Goods Movement**

 Cleaning up Existing Harbor Craft and U.S. EPA or ARB Cleaner Engine Standards

Percent Control				
2010	2015	2020		
25%	30%	40%		

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# Proposed Regulatory Concepts



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#### **Applicability**

- Ferries
- Tug and Tow Boats
- Work, Crew, and Pilot Boats
- Fishing Boats

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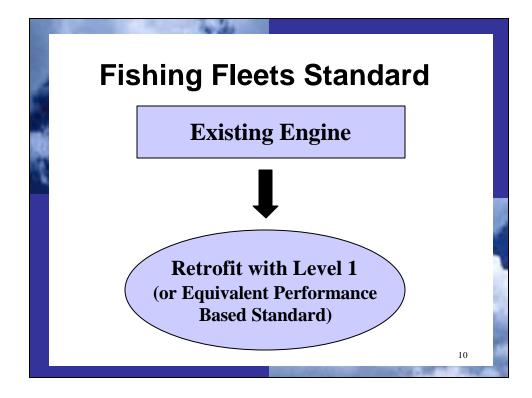
#### Proposed Regulatory Overview

- Separation between Fishing and Non-fishing harbor craft
  - Different requirements
  - Different compliance dates

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#### **Fishing Fleets**

- Fishing
  - Commercial Fishing
  - Commercial Passenger Fishing
- Approach designed to maintain level of Moyer availability



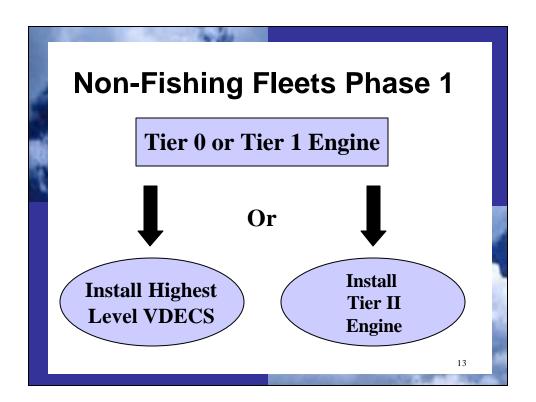
#### **Fishing Fleet Compliance**

- Oldest Highest Use Engines First
- Starting 2008
- Complete 2013

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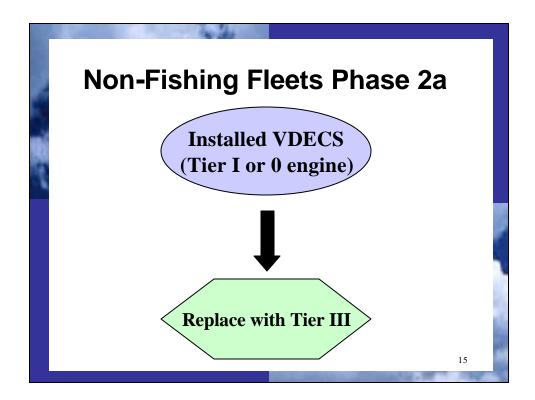
#### Non-Fishing Fleet Vessel Types

- Ferries
- Tug and Tow
- Crew
- Work
- Pilot
- Other Vessels



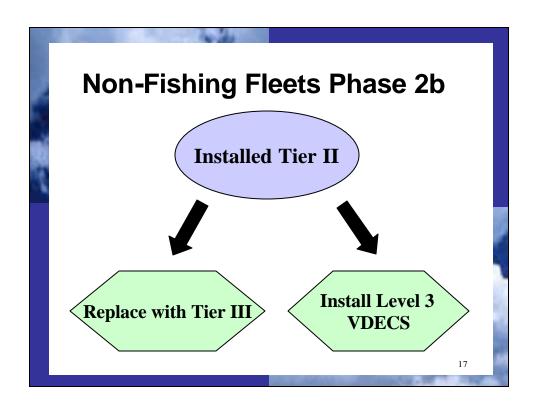
#### Non - Fishing Fleet Compliance Phase 1

- Starting 2008
- Complete 2013



#### Non - Fishing Fleet Compliance Phase 2a

- Starting 2013
- Complete 2018



#### Non - Fishing Fleet Compliance Phase 2b

- Starting 2016
- Complete 2021

# Verified Diesel Emission Control Strategies

- If no VDECS available
  - Compliance Extension
  - Up to two years

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# Record Keeping Requirements

- Annual Record Keeping
  - Keep on vessel

# Reporting Requirements

- Compliance Plan
- Demonstration of Compliance
- Annual Reporting

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# Preliminary Fishing Emission Inventory (tpy)

	Baseline	After	%
		Implementation	Reduction
PM	448	336	25%
NOx	11,192	11,192	0

# Preliminary Non - Fishing Emission Inventory (tpy)

	Baseline	After Implementation	% Reduction
PM	977	93	91%
NOx	25,712	13,691	47%

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# Next Steps

#### **Next Steps**

- Next workshop July 27, 2006
- Workshop End Aug./Early Sept.
- Release Initial Statement of Reasons
- Board Date November

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### Commercial Harbor Craft Team Contact List

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